



# UNITED STATES PATENT AND TRADEMARK OFFICE

*CEU*

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/752,977	01/07/2004	Chris Harrison	AP35474-067691.0205	4797

30873 7590 10/12/2007  
DORSEY & WHITNEY LLP  
INTELLECTUAL PROPERTY DEPARTMENT  
250 PARK AVENUE  
NEW YORK, NY 10177

EXAMINER
----------

PIGGUSH, AARON C

ART UNIT	PAPER NUMBER
----------	--------------

2838

MAIL DATE	DELIVERY MODE
-----------	---------------

10/12/2007

PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

<b>Advisory Action</b> <b>Before the Filing of an Appeal Brief</b>	Application No.	Applicant(s)	
	10/752,977	HARRISON, CHRIS	
<b>Examiner</b> Aaron Piggush	Examiner	Art Unit	
	Aaron Piggush	2838	

**--The MAILING DATE of this communication appears on the cover sheet with the correspondence address --**

THE REPLY FILED 07 September 2007 FAILS TO PLACE THIS APPLICATION IN CONDITION FOR ALLOWANCE.

1.  The reply was filed after a final rejection, but prior to or on the same day as filing a Notice of Appeal. To avoid abandonment of this application, applicant must timely file one of the following replies: (1) an amendment, affidavit, or other evidence, which places the application in condition for allowance; (2) a Notice of Appeal (with appeal fee) in compliance with 37 CFR 41.31; or (3) a Request for Continued Examination (RCE) in compliance with 37 CFR 1.114. The reply must be filed within one of the following time periods:

a)  The period for reply expires 3 months from the mailing date of the final rejection.

b)  The period for reply expires on: (1) the mailing date of this Advisory Action, or (2) the date set forth in the final rejection, whichever is later. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of the final rejection.

Examiner Note: If box 1 is checked, check either box (a) or (b). ONLY CHECK BOX (b) WHEN THE FIRST REPLY WAS FILED WITHIN TWO MONTHS OF THE FINAL REJECTION. See MPEP 706.07(f).

Extensions of time may be obtained under 37 CFR 1.136(a). The date on which the petition under 37 CFR 1.136(a) and the appropriate extension fee have been filed is the date for purposes of determining the period of extension and the corresponding amount of the fee. The appropriate extension fee under 37 CFR 1.17(a) is calculated from: (1) the expiration date of the shortened statutory period for reply originally set in the final Office action; or (2) as set forth in (b) above, if checked. Any reply received by the Office later than three months after the mailing date of the final rejection, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**NOTICE OF APPEAL**

2.  The Notice of Appeal was filed on \_\_\_\_\_. A brief in compliance with 37 CFR 41.37 must be filed within two months of the date of filing the Notice of Appeal (37 CFR 41.37(a)), or any extension thereof (37 CFR 41.37(e)), to avoid dismissal of the appeal. Since a Notice of Appeal has been filed, any reply must be filed within the time period set forth in 37 CFR 41.37(a).

**AMENDMENTS**

3.  The proposed amendment(s) filed after a final rejection, but prior to the date of filing a brief, will not be entered because

(a)  They raise new issues that would require further consideration and/or search (see NOTE below);

(b)  They raise the issue of new matter (see NOTE below);

(c)  They are not deemed to place the application in better form for appeal by materially reducing or simplifying the issues for appeal; and/or

(d)  They present additional claims without canceling a corresponding number of finally rejected claims.

NOTE: \_\_\_\_\_. (See 37 CFR 1.116 and 41.33(a)).

4.  The amendments are not in compliance with 37 CFR 1.121. See attached Notice of Non-Compliant Amendment (PTOL-324).

5.  Applicant's reply has overcome the following rejection(s): \_\_\_\_\_.  
6.  Newly proposed or amended claim(s) \_\_\_\_\_ would be allowable if submitted in a separate, timely filed amendment canceling the non-allowable claim(s).

7.  For purposes of appeal, the proposed amendment(s): a)  will not be entered, or b)  will be entered and an explanation of how the new or amended claims would be rejected is provided below or appended.  
The status of the claim(s) is (or will be) as follows:  
Claim(s) allowed: \_\_\_\_\_.  
Claim(s) objected to: \_\_\_\_\_.  
Claim(s) rejected: 1-9, 11-23, 25-37, 39-48 and 52-54.  
Claim(s) withdrawn from consideration: \_\_\_\_\_.

**AFFIDAVIT OR OTHER EVIDENCE**

8.  The affidavit or other evidence filed after a final action, but before or on the date of filing a Notice of Appeal will not be entered because applicant failed to provide a showing of good and sufficient reasons why the affidavit or other evidence is necessary and was not earlier presented. See 37 CFR 1.116(e).

9.  The affidavit or other evidence filed after the date of filing a Notice of Appeal, but prior to the date of filing a brief, will not be entered because the affidavit or other evidence failed to overcome all rejections under appeal and/or appellant fails to provide a showing a good and sufficient reasons why it is necessary and was not earlier presented. See 37 CFR 41.33(d)(1).

10.  The affidavit or other evidence is entered. An explanation of the status of the claims after entry is below or attached.

**REQUEST FOR RECONSIDERATION/OTHER**

11.  The request for reconsideration has been considered but does NOT place the application in condition for allowance because:  
See Continuation Sheet.

12.  Note the attached Information Disclosure Statement(s). (PTO/SB/08) Paper No(s). \_\_\_\_\_

13.  Other: See interview summary.

  
**BAO Q. VU**  
**PRIMARY EXAMINER**

Continuation of 11. does NOT place the application in condition for allowance because: Concerning the argument related to "at least a majority of an entire time period...", Notten discloses maintaining the battery at a threshold temperature for the majority of an entire time period in which the charge is applied (Fig. 10a shows relatively constant temperature from 0-600 mAh for the charging period, and even if the overcharging period is included, then the temperature would still be maintained at a threshold from 0-600 out of a possible 1000 mAh, which still shows a majority). Concerning the 6.5A charging current, it was noted in the previous interview summary action that Notten does not seem to place limitations on his charging current (the current in the Figures are just example or simulation currents), while also mentioning the use of his device with notebook computers, PDAs, game computers, mobile phones, portable audio equipment, camcorders, shavers, vacuum cleaners, and screw drivers (col 1 ln 37-43). Additionally, Notten discloses the use of NiCd, NiMH, Li-ion, and Li-polymer batteries (col 10 ln 55-55), which are all well known in the art to exist in various capacities. Those capacities will play the major factor in deciding what current can be applied to the batteries, as is also well known in the art. Please also see col 10 ln 33-49 which shows that the battery management system of Notten can adapt to different batteries. Keeping the different applications mentioned and taking optimum value into account, it is still seen as reasonable that using a higher charging current with an initial charge of 6.5A or greater would have been obvious to a person of ordinary skill in the art because it would warm the battery up more quickly, helping it to achieve an optimum level of charging more quickly. Those effects on the battery due to higher charging currents are well-known in the art and are not believed to produce any unexpected or unpredictable results. Finding an optimum value for the initial charging current would also not require undue experimentation. Please also refer to pages 2-3 of the previous final office action.

*Aaron Pignal*  
10/4/07